

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
7 December 2000 (07.12.2000)

PCT

(10) International Publication Number
WO 00/72876 A3

(51) International Patent Classification⁷: **A61K 39/00, 39/385, 39/39, G01N 33/68, A61K 39/395, 48/00, A61P 25/28**

(21) International Application Number: **PCT/US00/15239**

(22) International Filing Date: **1 June 2000 (01.06.2000)**

(25) Filing Language: **English**

(26) Publication Language: **English**

(30) Priority Data:
60/137,010 **1 June 1999 (01.06.1999) US**

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(81) Designated States (*national*): **AE, AG, AL, AM, AT, AT (utility model), AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, CZ (utility model), DE, DE (utility model), DK, DK (utility model), DM, DZ, EE, EE (utility model), ES, FI, FI (utility model), GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KR (utility model), KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SK (utility model), SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW.**

(84) Designated States (*regional*): **ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).**

Published:

— *With international search report.*

(88) Date of publication of the international search report:
3 May 2001

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

WO 00/72876 A3

(54) Title: **PREVENTION AND TREATMENT OF AMYLOIDOGENIC DISEASE**

(57) Abstract: Disclosed are pharmaceutical compositions and methods for preventing or treating a number of amyloid diseases, including Alzheimer's disease, prion diseases, familial amyloid neuropathies and the like. The pharmaceutical compositions include immunologically reactive amounts of amyloid fibril components, particularly fibril-forming peptides or proteins. Also disclosed are therapeutic compositions and methods which use immune reagents that react with such fibril components.

INTERNATIONAL SEARCH REPORT

Internal Application No

PCT/US 00/15239

A. CLASSIFICATION OF SUBJECT MATTER

| | | | | | |
|-------|-----------|------------|-----------|-----------|------------|
| IPC 7 | A61K39/00 | A61K39/385 | A61K39/39 | G01N33/68 | A61K39/395 |
| | A61K48/00 | | A61P25/28 | | |

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

MEDLINE, LIFESCIENCES, EMBASE, CHEM ABS Data, SCISEARCH, BIOSIS, EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
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| A | US 5 441 870 A (SCHENK DALE B ET AL) 15 August 1995 (1995-08-15) column 3, line 61 -column 4, line 39 claims ---- | 26-28 -/- |



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

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X document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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Date of the actual completion of the international search

4 December 2000

Date of mailing of the international search report

22/12/2000

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INTERNATIONAL SEARCH REPORT

Internal Application No

PCT/US 00/15239

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

| Category | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
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| A | <p>SOUTHWICK PAULA C ET AL: "Assessment of amyloid beta protein in cerebrospinal fluid as an aid in the diagnosis of Alzheimer's disease." JOURNAL OF NEUROCHEMISTRY, vol. 66, no. 1, 1996, pages 259-265, XP000971063 ISSN: 0022-3042 page 264, right-hand column, paragraph 5</p> <p>---</p> | 26-28 |
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| E | <p>WO 00 43039 A (DURING MATTHEW JOHN) 27 July 2000 (2000-07-27) page 2, line 30 -page 3, line 30 page 15, line 21 -page 16, line 11 claims</p> <p>---</p> | 1-25, 29-57 |
| T | <p>HELMUTH, L.: "Further progress on a beta-amyloid vaccine" SCIENCE (WASHINGTON) 'SCIENCE (WASH.)!', (20000721) VOL. 289, NO. 5478, P. 375. ISSN: 0036-8075., XP002154517 the whole document</p> <p>---</p> | 1-25 |
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Internal Application No

PCT/US 00/15239

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

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INTERNATIONAL SEARCH REPORT

Information on patent family members

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| Patent document cited in search report | Publication date | Patent family member(s) | | Publication date |
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